

## Product Information Personal Care

DOW CORNING

# DOW CORNING® 8500 Conditioning Agent

### FEATURES

- Amino functional siloxane polymer
- Can be used for clear and opaque products
- Low yellowing
- Dow Corning patented
- Free of emulsifiers and preservatives
- Free of animal-derived and vegetable-derived ingredients and genetically modified organisms
- Excellent compatibility with cyclomethicone and isododecane
- Partial compatibility with ethanol

### BENEFITS

- Superior conditioning:
  - Strong wet and dry detangling
  - Smooth feel
- Improves color longevity when used in semi-permanent colorants
- Easy to formulate:
  - Cold and hot process possible
  - Can be added at the beginning or the end of formulation process
  - No solubilizer or suspending agent required - Easy to microemulsify

INCI Name: Bis (C13-15 Alkoxy) PG Amodimethicone

### APPLICATIONS

- Clear and opaque conditioning shampoos
- Colorants - semi-permanent and permanent
- Leave-in conditioning treatments (detangler, split end repair, hot oil, hair mask, mousses)
- Anhydrous systems (fixatives, leave on, etc.)
- Hydrous systems (i.e. rinse-off conditioners)

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Appearance		Clear to hazy fluid
Viscosity at 25°C (77°F)	cSt	4000
Specific gravity at 25°C (77°F)		0.96
Flash point (Cleveland open-cup)	°C	132
	°F	270

### DESCRIPTION

DOW CORNING 8500 Conditioning Agent is an amino glycol copolymer. It combines the substantive conditioning of an amino silicone with the low yellowing and ease of formulation of a silicone glycol.

### BENEFITS

DOW CORNING 8500 Conditioning Agent has demonstrated superior conditioning effects on hair due to its unique chemical structure. This unique chemical structure allows for the combined benefits of a hydrophobic material with the ease of formulation with no additional solubilizers.

DOW CORNING 8500 Conditioning Agent can be added to clear or opaque shampoo formulations without the need for pre-emulsification or the use of additional suspending agents. It can be heated and added at any stage of the manufacturing process.

The recommended usage levels are:  
0.5-1%: normal hair  
1-2%: curly, slightly damaged hair  
2-4%: color treated/damaged, frizzy ethnic hair.

DOW CORNING 8500 Conditioning Agent has an excellent compatibility with cyclomethicone and isododecane, and partial compatibility with ethanol, making it an excellent candidate for anhydrous systems such as fixatives and leave on formulas.

DOW CORNING 8500 Conditioning Agent is also easy to formulate in hydrous systems such as rinse-off conditioners and can be added at the beginning or at the end of the process.

When DOW CORNING 8500 Conditioning Agent is exposed to temperatures below 20°C (68°F) the product will freeze and form white solid particles and eventually solidify. This is a reversible phenomenon and should not affect product performance. It can be melted by heating above 25°C (77°F).

#### **PATENT INFORMATION**

Patented by Dow Corning, patent number WO03066007.

#### **HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

#### **USABLE LIFE AND STORAGE**

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 18 months from the date of production.

#### **PACKAGING**

This product is available in 18kg jerry cans and 190kg drums.

Samples are available in 500ml.

#### **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

#### **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

#### **LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers' tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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